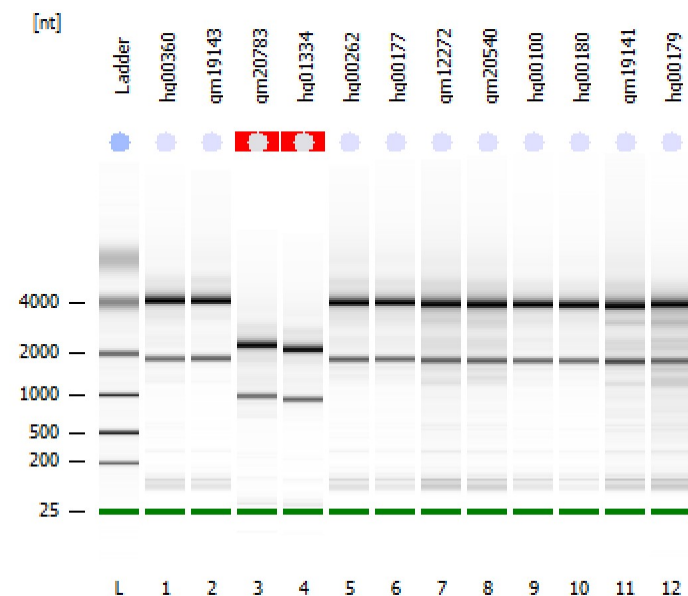


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_13-51-17.xad

Created: 10/24/2011 1:51:17 PM
Modified: 10/24/2011 2:34:04 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

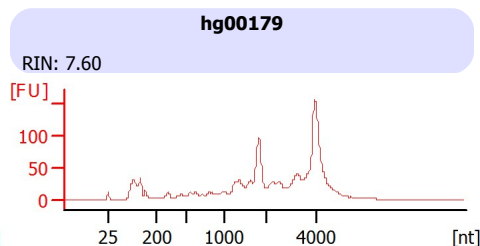
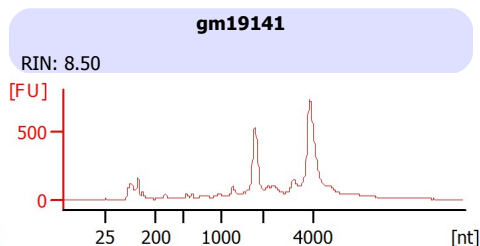
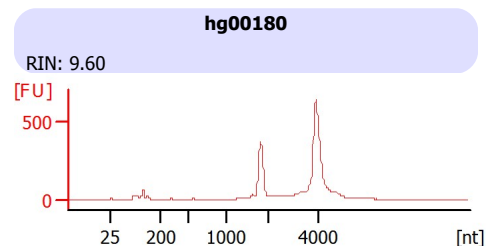
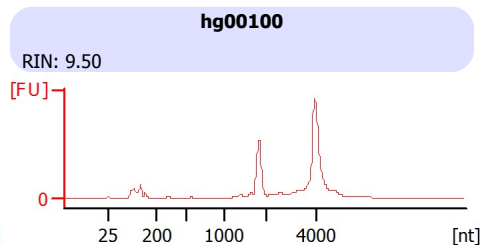
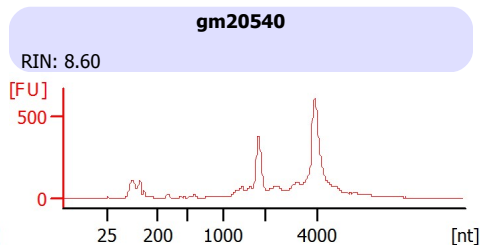
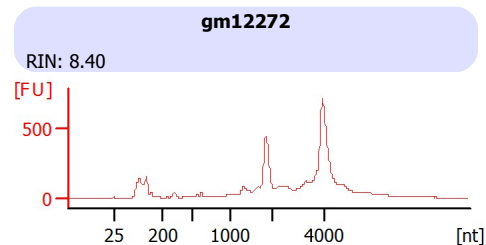
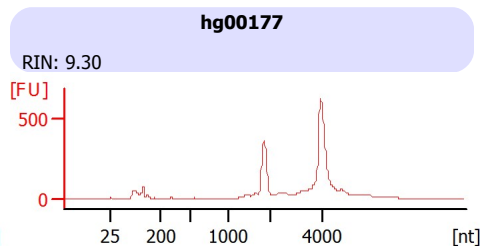
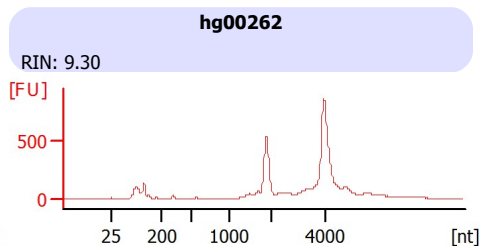
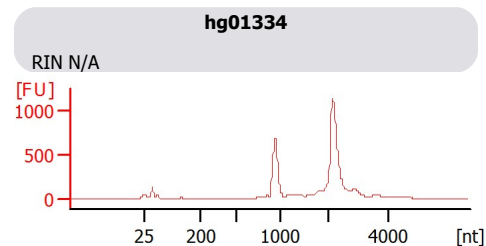
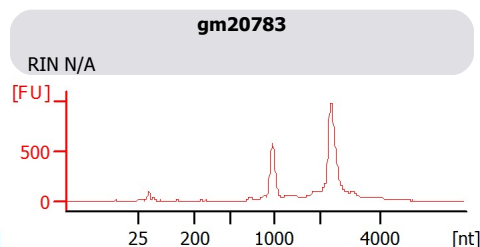
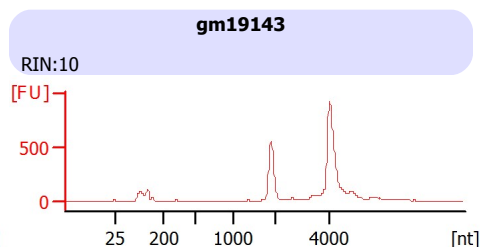
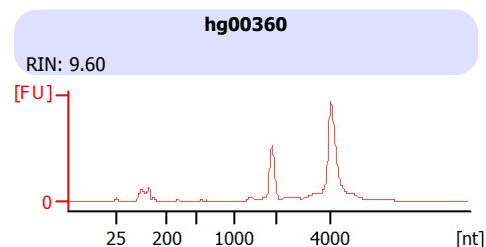
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_13-51-17.xad

Created: 10/24/2011 1:51:17 PM
Modified: 10/24/2011 2:34:04 PM

Electrophoresis File Run Summary (Chip Summary)

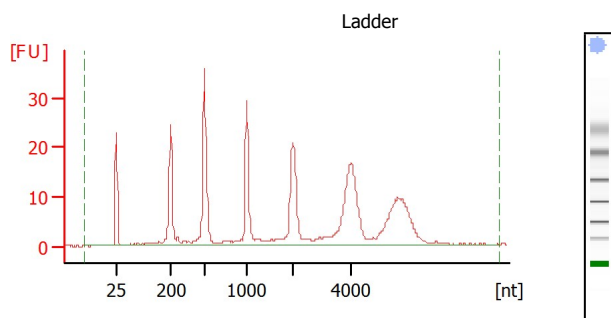
Sample Name	Sample Comment	Stat Result Label	Result Color
hg00360		✓ RIN: 9.60	
gm19143		✓ RIN:10	
gm20783		✓ RIN N/A	
hg01334		✓ RIN N/A	
hg00262		✓ RIN: 9.30	
hg00177		✓ RIN: 9.30	
gm12272		✓ RIN: 8.40	
gm20540		✓ RIN: 8.60	
hg00100		✓ RIN: 9.50	
hg00180		✓ RIN: 9.60	
gm19141		✓ RIN: 8.50	
hg00179		✓ RIN: 7.60	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_13-51-17.xad

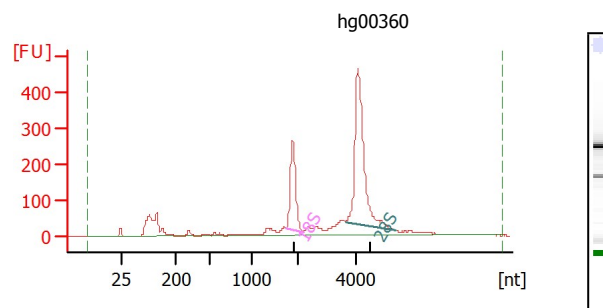
Created: 10/24/2011 1:51:17 PM
Modified: 10/24/2011 2:34:04 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 326.4
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

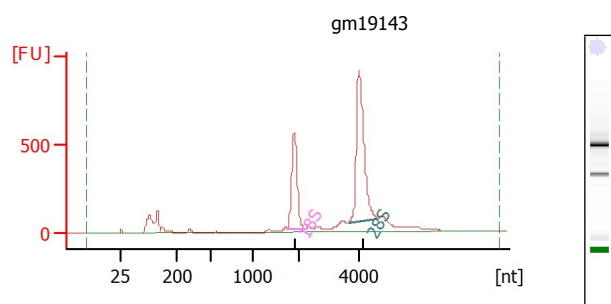


Overall Results for sample 1 : hg00360

RNA Area: 2,781.0
RNA Concentration: 1,278 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 1 : hg00360

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,162	428.1	15.4
28S	3,616	5,373	1,019.5	36.7

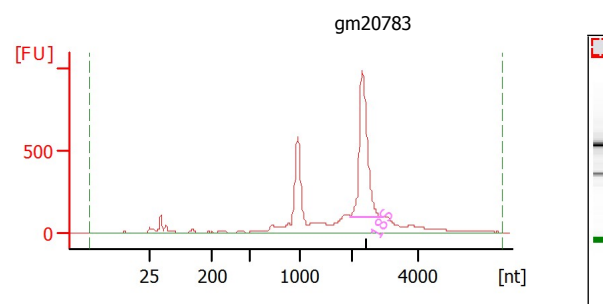


Overall Results for sample 2 : gm19143

RNA Area: 4,831.1
RNA Concentration: 2,220 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 2 : gm19143

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,195	947.5	19.6
28S	3,665	4,665	1,713.0	35.5



Overall Results for sample 3 : gm20783

RNA Area: 5,774.0
RNA Concentration: 2,654 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

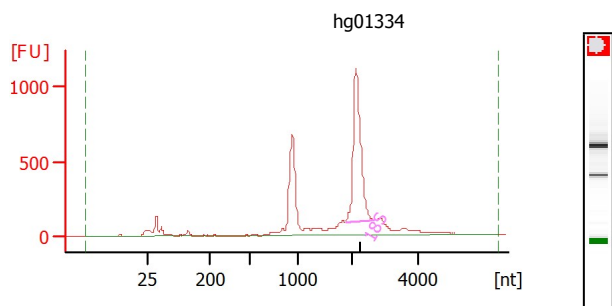
Fragment table for sample 3 : gm20783

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,973	2,929	1,879.9	32.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_13-51-17.xad

Created: 10/24/2011 1:51:17 PM
 Modified: 10/24/2011 2:34:04 PM

Electropherogram Summary Continued ...

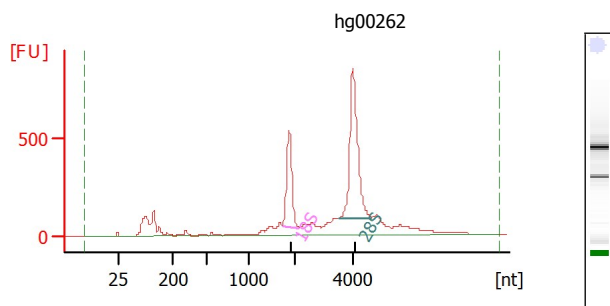


Overall Results for sample 4 : hg01334

RNA Area: 5,754.8
 RNA Concentration: 2,645 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 4 : hg01334

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,890	2,702	2,062.4	35.8

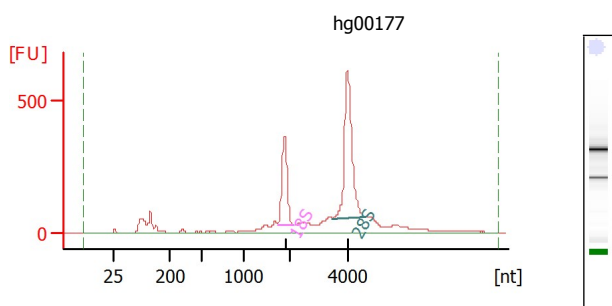


Overall Results for sample 5 : hg00262

RNA Area: 5,674.9
 RNA Concentration: 2,608 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 5 : hg00262

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	2,119	828.1	14.6
28S	3,501	4,596	1,564.4	27.6

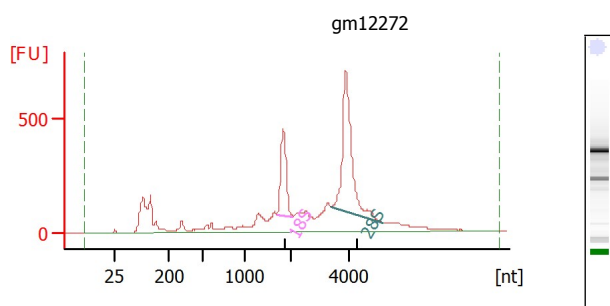


Overall Results for sample 6 : hg00177

RNA Area: 3,707.1
 RNA Concentration: 1,704 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 6 : hg00177

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,128	548.6	14.8
28S	3,467	4,617	1,110.3	29.9



Overall Results for sample 7 : gm12272

RNA Area: 6,617.2
 RNA Concentration: 3,041 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

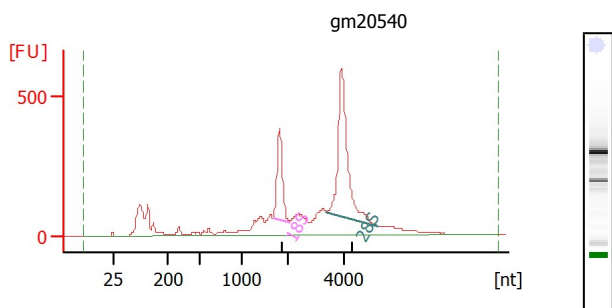
Fragment table for sample 7 : gm12272

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,068	649.1	9.8
28S	3,410	5,190	1,517.8	22.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_13-51-17.xad

Created: 10/24/2011 1:51:17 PM
 Modified: 10/24/2011 2:34:04 PM

Electropherogram Summary Continued ...

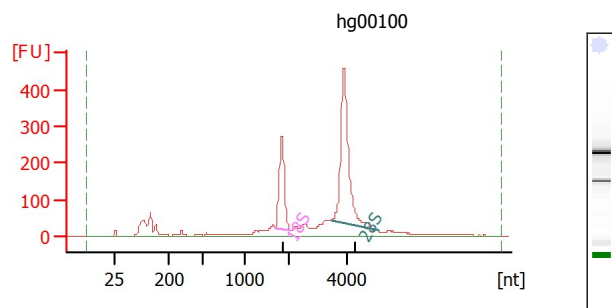


Overall Results for sample 8 : gm20540

RNA Area: 5,287.4
 RNA Concentration: 2,430 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60

Fragment table for sample 8 : gm20540

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,690	2,079	558.9	10.6
28S	3,386	5,206	1,346.5	25.5

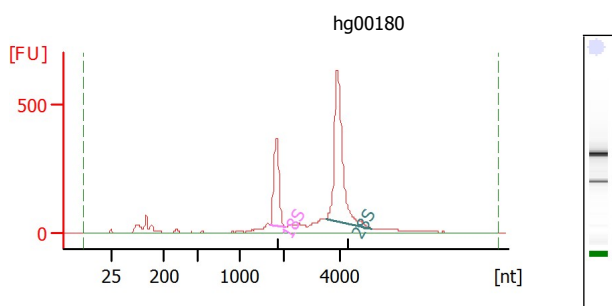


Overall Results for sample 9 : hg00100

RNA Area: 2,716.2
 RNA Concentration: 1,248 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 9 : hg00100

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	2,048	426.6	15.7
28S	3,476	5,109	934.5	34.4

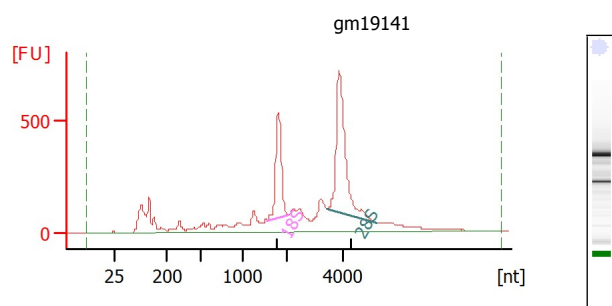


Overall Results for sample 10 : hg00180

RNA Area: 3,523.9
 RNA Concentration: 1,620 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 10 : hg00180

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,074	581.2	16.5
28S	3,496	5,095	1,301.7	36.9



Overall Results for sample 11 : gm19141

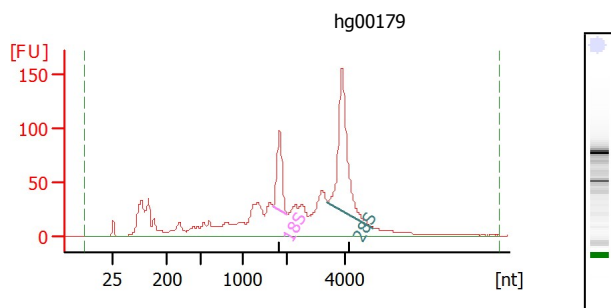
RNA Area: 6,942.1
 RNA Concentration: 3,191 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 8.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 11 : gm19141

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	2,044	867.0	12.5
28S	3,437	5,199	1,604.4	23.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_13-51-17.xad

Created: 10/24/2011 1:51:17 PM
Modified: 10/24/2011 2:34:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : hg00179**

RNA Area: 1,750.9
RNA Concentration: 805 ng/μl
rRNA Ratio [28s / 18s]: 2.6
RNA Integrity Number (RIN): 7.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 7.60

Fragment table for sample 12 : hg00179

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
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18S	1,689	1,984	123.7	7.1
28S	3,402	5,006	318.5	18.2